INDEX TO VOLUME II.

ABBREVIATIONS: EDITORIAL, (E.); PASSING COMMENT, (P.C.); MISCELLANY, (Misc.)

Authors

Briggs, W. W. . . . 6
Fish, A. L. . . . 6
Foote, Allen De Witt . . . 125
Henry, Geo. J., Jr. . . . 103
Jones, Dr. Philip Mills . . . 55
Low, Geo. P. . . . 79
Murphy, D. W. . . . 96
Sanford, Prof. Fernando . . . 51-61
Sherman, Dr. W. N. . . . 39-90-105
Stuart-Smith, Lieut. W. . . . 32

Editorial

Accurate Photometric Measurements . . . 67
Air For Traction Purposes . . . 129
Chemistry in Water Development . . . 109
Combination for General Good . . . 92
Concerning Municipal Ownership . . . 10
Croaks Against Education . . . 11
Economics in Coal Consumption . . . 92
Economy Must Fit the Load Curve . . . 108
Electricity is not a Cure-All . . . 34
For Peace or For War . . . 12
High Potential Systems . . . 10
Import of Roentgen's Discovery . . . 35
Lightning Arresters in California . . . 108
Lord Kelvin's Anniversary . . . 129
Now or Never . . . 66
Policy in Railway Management . . . 34
Standard Wiring Rules . . . 66
Testing Underground Cables . . . 93
The G. E. Co's Annual Report . . . 109
The Mission of Journalism . . . 34
The National School Ignominy . . . 128
The Patent Situation . . . 68
The Use and Abuse of Fuses . . . 67
The Van Depoele Decision . . . 12
Trafficking in Transfers . . . 93
Where Does the Trouble Lie? . . . 128

Educationial

Croaks Against Education (Ed.) . . . 11
The Honesty of Engineering Schools, (P. C.) . . . 130
The National School Ignominy, (Ed.) . . . 128

Electro-Economics

Economies in Coal Consumption, (Ed.) . . . 92
Economy Must Fit the Load Curve, (Ed.) . . . 108
Efficiencies of Boiler Furnaces (P. C.) . . . 110
Electrical Heating in Practice . . .
Incandescent Lamp Efficiencies (Illustrated by Lieut. W. Stuart-Smith, E. S. N. . . . 32
Transformers Leakage (P. C.) . . . 14
Transformers for Net Work Distribution, (P. C.) . . . 110
Utilizing Waste Power on Railroads . . . 108

Electro-Insurance

Destruction of the Union Power Plant, (Illustrated) . . . 123
Lightning Arresters in California, (Ed.) . . . 108
Protection Against Lightning (Illustrated) (Trade) . . . 70
Removing Cars in Case of Fire . . . 14
Standard Wiring Rules, (Ed.) . . . 66
The Use and Abuse of Fuses, (Ed.) . . . 67

Electro-Therapeuty

The Scientific Application of Electricity in Medicine, by W. N. Sherman, M. D., Part I. (Illustrated) . . . 39
The Scientific Application of Electricity in Medicine, by W. N. Sherman, M. D., Part II. (Illustrated.) . . . 90
The Scientific Application of Electricity in Medicine, by W. N. Sherman, M. D., Part III. (Illustrated.) . . . 105
Electro-Magnetic "Bilks" . . . 138

Financial

The G. E. Co's. Annual Report . . . 109

Gas

Gas Engine Possibilities . . . 134
Pacific Coast Gas Ass'n . . . 135

Hydraulics

An Experience in Flume Construction. (Illustrated) . . . 69
Deep Mine Pumps (Illustrated) By A. L. Fish . . . 6
Wave Motor Experiments (Illustrated) . . . 1

Illumination

Concerning Municipal Ownership (Ed.) . . . 10
Economy Must Fit the Load Curve (Ed.) . . . 108
Electricity from Garbage Cremation (Pass'g Com.) . . . 13
High Potential Systems (Ed.) . . . 10
Lighting Hydraulic Mines (Illustrated) By W. W. Briggs . . . 6
Standard Wiring Rules (Ed.) . . . 66
The Control of Theater Lighting (Illustrated) . . . 4
The Determination of a Light Unit (Illustrated) D. W. Murphy . . . 96
The Use and Abuse of Fuses (Ed.) . . . 67
Transformers for Net Work Distribution (P. C.) . . . 110

Literature

Alternate Current Transmission Computations, by E. E. Stark, B. S. . . . 131
Catalogue on Books on Electricity, Electric Light, the Telephone, etc., by D. Van Nostrand Co. . . . 95
Catalogue of the Hopkins Railway Library, by Frederick J. Taggart, B. A. . . . 16
Dynamo Electric Machinery, by Sylvanus P. Thompson, D. Sc. . . . 37
Electrical Experiments, by G. E. Bonney . . . 15
Elements of the Mathematical Theory of Electricity and Magnetism, by J. J. Thompson, M. A., F. R. S. . . . 14
James Clerk Maxwell and Modern Physics, by R. T. Glazebrook . . . 111
Johnson's Electrical and Street Railway Directory for 1896. 112
Ruhmkorff Induction Coils, by H. S. Norrie . . . 133
Steam, Its Generation and Use, The Babcock and Wilcox Co. . . . 132
Synopsis of Current Literature during 1895, by Max Osterberg, E. E., A. M. . . . 95
The Dynamo, by S. R. Bottone . . . 95
The Voltaic Cell, by Park Benjamin . . . 111
Trade Catalogues as Books of Reference (P. C.) . . . 36
Westinghouse Electric Street Car Equipments, by F. L. Hutchinson and Leo Phillips . . . 112
William Gilbert of Colchester, on the Lodestone and Magnetic Bodies, Translated by P. Fleury Mottelay . . . 133

Metallurgy

Burton Electro-Smelting Process (P. C.) . . . 13

Mining

Compressed Air at the North Star Mine (Illustrated) . . . 113
Deep Mine Pumps (Illustrated) by A. L. Fish . . . 6

Miscellany

Don't All Speak at Once . . . 118
Forcing Plants by Electricity . . . 117
Genius Not Unappreciated . . . 125
Splitting Scientific Hairs . . . 9

Monthly Reports

Communication . . . 20, 47, 141
Illumination . . . 21, 49, 77, 121, 102
Incorporation . . . 20, 47, 76, 119, 101
Litigation . . . 20, 47, 75, 100, 119, 141
Miscellaneous . . . 50, 102, 122, 142
Transmission . . . 21, 47, 76, 101, 119, 141
Transportation . . . 23, 48, 75, 102, 120

Navigation

A Novelty in Steam Yachts (Illustrated) 8

Obituary

Atwater, William F. 74
Gamewell, J. N. 140
Pratt, Nat. W. 74

Passing Comment

A New Rotary Transformer System 131
An Unwarranted Condemnation 65
Are Telephone Companies Common Carriers? 110
Claimants for Telegraphic Honors 13
Concerning Central Station Efficiencies 131
Electrical Heating in Practice 131
Electricity from Garbage Cremation 13
Houses for Trolley Supports 13
Over-Zealousness 94
Testing Arc Lighting Circuits 65
The Burton Electro-Smelting Process 13
The Deficiencies of American Lighting Systems 64
The Doom of the Cable in San Francisco 94
The Efficiencies of Boiler Furnaces 110
The Honesty of Engineering Schools 130
The Influences of Attractiveness on Station Economy 64
The Spectacular in Electrical Engineering 94
Transformer Leakage 14
Transformers for Net Work Distribution 110

Personal

Balch, A. C. 41
Barrett, W. J. 74
Blackwell, F. O. 140
Bole, George 74
Brayton, A. L. 100
Britton, John A. 74
Coffin, C. A. 100
Cranston, J. A. 41
Eldridge, H. Fisher 7
Ellicott, Edw. B. 41
Gilbert, C. P. 74
Godfrey, J. W. 74
Gray, J. F. 74
Griffith, L. H. 42
Heger, W. S. 42
Klein, Jno. M. 140
Knight, Chas. S. 140
Little, E. W. 42
Lloyd, H. T. 42
Maguire, John 7
Martin, John 74
Martin, T. C. 100
Masson, R. S. 140
McKee, J. R. 140
Melville, Com. Geo. W. 140
Mowry, Marion L. 140
Mine, S. 100
Nakayama, R. 100
Outwater, John F. 42
Peckham, E. 100
Pemberton, L. B. 37, 74
Pierson, J. C. 74
Postlethwaite, Robert H. 100
Richards, John 42
Sharp, E. C. 74
Stark, E. E. 74
Steel, George A. 100
Stein, Chas. 41
Sternfeld, I. 42
Van der Naillen, Prof. A. 42
Wadachi, Y. 100
Williams, J. P. 140

Physics

Accurate Photometric Measurements (Ed.) 67
Import of Roentgen's Discovery (Ed.) 35
Incandescent Lamp Efficiencies (Illustrated), by Lieut. W. Stuart-Smith, E. S. N. 32
Lightning Arresters in California (Ed.) 108
On the Derivation of X Rays (Illustrated)—
Part I.—Cathode Radiation, by Prof. Fernando Sanford .. 51
Part II.—Anode Radiation, by Phillip Mills Jones, M. D. .. 55
Part III.—Deductions from Dr. Jones' Experiments, by Prof. Fernando Sanford 61
The Bisulphide of Carbon Fallacy (Ed.) 36
The Determination of a Light Unit (Illustrated) by D. W. Murphy 96

Pneumatics

Air for Traction Purposes (Ed.) 129
Compressed Air at the North Star Mine (Illustrated) 113
Efficiencies of an Air Transmission Plant, by Allen De Witt Foote 125
Pneumatic Shop Tools (Illustrated) (The Trade) 137

Steam

A Direct Connected Outfit (Illustrated) (The Trade) 18
A Novelty in Steam Yachts (Illustrated) 8
Economies in Coal Consumption (Ed.) 92
Efficiencies of Boiler Furnaces (P. C.) 110
Extraordinary Abuse of Boilers (Misc.) 9
Recent Improvements in Steam Boilers (Illustrated) (Trade) 136

Telegraphy

Claimants for Telegraphic Honors (P. C.) 13

Telephony

An Extensive Telephone System for Japan 118
Are Telephone Companies Common Carriers? (P. C.) 110
Cheap Telephones in San Francisco 112
Experiences in Line Transposition 38
Influence of Trollies on Telephones (P. C.) 36
Testing Underground Cables (Ed.) 93

The Lay Press

Popular Reflections of the Conditions and Prospects of Electrical Engineering on the Pacific Coast, 18, 46, 73, 99, 118

The Trade

A Direct Connected Outfit (Illustrated) 18
A New Typewriter (Illustrated) 135
A Phenominally Successful Firm (Illustrated) 117
A Railway Supply Center 45
Circular Lcom Conduit for the Coast 17
High Grade Porcelain Equipments (Illustrated) 16
Iron Clad Arc Aramature (Illustrated) 114
New Railway Supply Agencies (Illustrated) 72
New Steam Specialties 99
Operating Elevators by Differential Motors 98
Pneumatic Shop Tools (Illustrated) 137
Protection Against Lightning (Illustrated) 70
Recent Doings of the Westinghouse Company 99
Recent Improvements in Steam Boilers (Illustrated) 136
The Interior Conduit Company at the Electrical Exposition. 99
The Natasket Trolley Wire (Illustrated) 17
The New Fort Wayne Offices 44
The Portland General Electric Supply House 117
The Walker Company in California 138

Transmission

A Mexican Transmission Plant, by Geo. J. Henry, Jr. 103
A Monocyclic Distribution Plant (Illustrated) 105
A New Rotary Transformer Plant 125
Chemistry in Water Power Development (Ed.) 109
Efficiencies of an Air Transmission Plant 125
High Grade Porcelain Eiquipments (Illustrated) (The Trade) 16
New Power Transmission Plants 28
The Fresno Transmission Plant (Illustrated) by Geo. P. Low 79
The Neuclus of a Great Transmission Plant (Illustrated) .. 104
The Portland Transmission Plant 44

Transportation

Air for Traction Purposes (Ed.) 129
A Railway Supply Center (Illustrated) (Trade) 45
Destruction of the Union Power Plant (Illustrated) 123
Electric Elevator Regulation (Illustrated) 42
Electricity on the Brooklyn Bridge (Illustrated) 29
Houses for Trolley Supports (P. C.) 13
New Railway Supply Agencies (Illustrated (Trade) 72
Now or Never (Ed.) 66
Operating Elevators by Differential Motors (Trade) 98
Policy in Railway Management (Ed.) 34
Removing Cars in Case of Fire 14
The Baldwin Westinghouse Electric Locomotive (Illustrated) 31
The Doom of the Cable in San Francisco (P. C.) 94
The Influence of Trollies on Telephones (P. C.) 36
The Natasket Trolley Wire (Illustrated) (Trade) 17
The Sutro Railroad (Illustrated) 25
The Van Depolle Decision (Ed.) 12
Trafficking in Transfers (Ed.) 93
Utilizing Waste Power on Railroads 108